

2/4

1/1 - (C) FILE HCAPLUS

STN CA Caesar accession number : 1293

AN - 2002:465605 HCAPLUS

DN - 137:34033

ED - Entered STN: 21 Jun 2002

TI - Antistatic agents and polycarbonate compositions containing them with good transparency and impact resistance

IN - Sato, Ichiro; Nukui, Shinji; Shinohata, Masahiro; Kawakabe, Hiroshi; Hara, Yoshifusa; Sugiya, Tadashi

PA - Sumitomo Dow Limited, Japan; Nippon Chemical Industrial Co., Ltd.

SO - Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT - Patent

LA - Japanese

IC - ICM C08L069-00

ICS C08K005-50; C09K003-16

CC - 37-6 (Plastics Manufacture and Processing)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN - JP2002173592	A2	20020621	JP 2000-391799	20001225

PRAI- JP 2000-291725 A 20000926

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2002173592	ICM	C08L069-00
	ICS	C08K005-50; C09K003-16
	IPCI	C08L0069-00 [ICM,7]; C08K0005-50 [ICS,7]; C08K0005-00 [ICS,7,C*]; C09K0003-16 [ICS,7]
	IPCR	C09K0003-16 [I,C*]; C09K0003-16 [I,A]; C08K0005-00 [I,C*]; C08K0005-50 [I,A]; C08L0069-00 [I,C*]; C08L0069-00 [I,A]

OS - MARPAT 137:34033

AB - The antistatic agents comprise phosphonium salts R<sub>4</sub>P<sup>+</sup> AF<sub>6</sub><sup>-</sup> [R = (OH- or alkoxy-substituted) C<sub>1</sub>-18 alkyl, aryl, aralkyl; A = P, Sb]. Thus, a compn. contg. 100 parts Calibre 200-10 (bisphenol A-phosgene copolymer) and 2 parts tributylododecylphosphonium hexafluorophosphate was injection-molded to give a test piece showing notched Izod impact strength (ASTM D 256) 80 kg-cm/cm, total light transmittance (ASTM D 1003) 89%, and surface resistivity 3 .times. 10<sup>12</sup> .OMEGA..

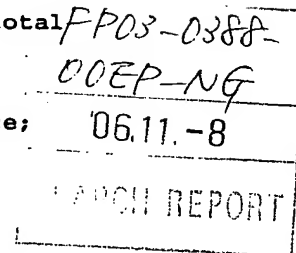
ST - antistatic agent polycarbonate phosphonium salt impact resistance; bisphenol phosgene polycarbonate butyldodecyl phosphonium fluorophosphate transparent

IT - Antistatic materials

Impact-resistant materials

(antistatic agents for polycarbonate compns. with good transparency and impact resistance)

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IT - Polycarbonates, properties  
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)  
 (antistatic agents for polycarbonate compns. with good transparency and impact resistance)

IT - Phosphonium compounds  
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)  
 (antistatic agents; antistatic agents for polycarbonate compns. with good transparency and impact resistance)

IT - Antistatic agents  
 (phosphonium salts; antistatic agents for polycarbonate compns. with good transparency and impact resistance)

IT - 436799-10-9 436799-11-0 436799-12-1 436799-13-2 436799-14-3 436799-15-4  
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)  
 (antistatic agent; antistatic agents for polycarbonate compns. with good transparency and impact resistance)

IT - 24936-68-3, Calibre 200-10, properties 25971-63-5, Bisphenol A-phosgene copolymer  
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)  
 (antistatic agents for polycarbonate compns. with good transparency and impact resistance)

AN - 2002:465605 HCAPLUS

DN - 137:34033

TI - Antistatic agents and polycarbonate compositions containing them with good transparency and impact resistance

IN - Sato, Ichiro; Nukui, Shinji; Shinohata, Masahiro; Kawakabe, Hiroshi; Hara, Yoshifusa; Sugiya, Tadashi

PA - Sumitomo Dow Limited, Japan; Nippon Chemical Industrial Co., Ltd.

SO - Jpn. Kokai Tokkyo Koho, 6 pp.  
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DT - Patent

LA - Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN -	JP2002173592	A2	20020621	JP 2000-391799	20001225

<--

PRAI- JP 2000-291725 A 20000926

OS - MARPAT 137:34033

AB - The antistatic agents comprise phosphonium salts R<sub>4</sub>P<sup>+</sup> AF<sub>6</sub><sup>-</sup> [R = (OH- or alkoxy-substituted) C<sub>1</sub>-18 alkyl, aryl, aralkyl; A = P, Sb]. Thus, a compn. contg. 100 parts Calibre 200-10 (bisphenol A-phosgene copolymer) and 2 parts tributylododecylphosphonium hexafluorophosphate was injection-molded to give a test piece showing notched Izod impact strength (ASTM D 256) 80 kg-cm/cm, total

light transmittance (ASTM D 1003) 89%, and surface resistivity 3  
.times. 1012 .OMEGA..

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Switching to CAPLUS

Switching to ZREGISTRY

Display of compounds in JP2002173592

? ..li hitstr 1-1

1/1 - (C) FILE CAPLUS

IT - 436799-10-9      436799-11-0      436799-12-1

436799-13-2      436799-14-3      436799-15-4

RL: MOA (Modifier or additive use); TEM (Technical or engineered  
material use); USES (Uses)

(antistatic agent; antistatic agents for polycarbonate compns.  
with good transparency and impact resistance)

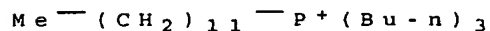
RN - 436799-10-9 CAPLUS

CN - Phosphonium, tributyldecyl-, hexafluorophosphate(1-) (9CI) (CA  
INDEX NAME)

CM 1

CRN 17895-73-7

CMF C24 H52 P

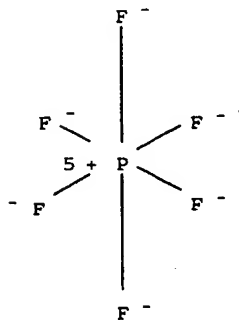


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



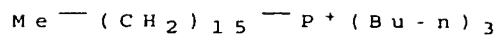
RN 436799-11-0 CAPLUS

CN Phosphonium, tributylhexadecyl-, hexafluorophosphate(1-) (9CI) (CA  
INDEX NAME)

CM 1

CRN 66997-36-2

CMF C28 H60 P

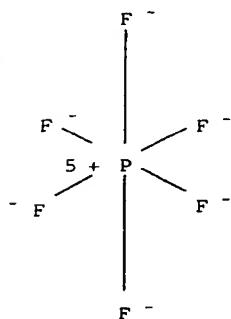


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



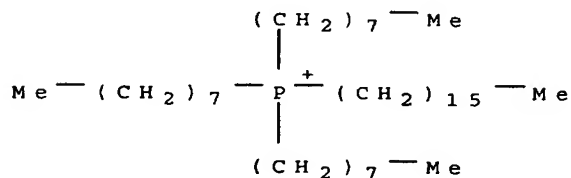
RN 436799-12-1 CAPLUS

CN Phosphonium, hexadecyltrioctyl-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 125652-20-2

CMF C40 H84 P

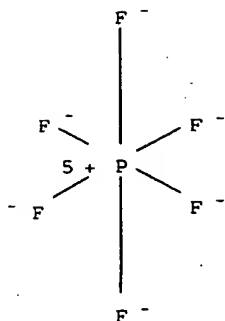


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



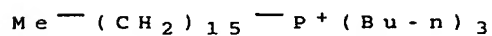
RN 436799-13-2 CAPLUS

CN Phosphonium, tributylhexadecyl-, (OC-6-11)-hexafluoroantimonate(1-)  
(9CI) (CA INDEX NAME)

CM 1

CRN 66997-36-2

CMF C28 H60 P

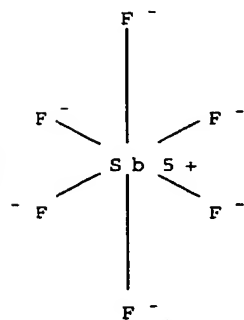


CM 2

CRN 17111-95-4

CMF F6 Sb

CCI CCS



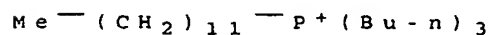
RN 436799-14-3 CAPLUS

CN Phosphonium, tributyldecyl-, (OC-6-11)-hexafluoroantimonate(1-)  
(9CI) (CA INDEX NAME)

CM 1

CRN 17895-73-7

CMF C24 H52 P



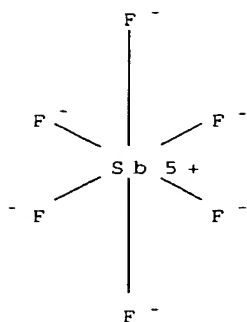
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CM 2

CRN 17111-95-4

CMF F6 Sb

CCI CCS



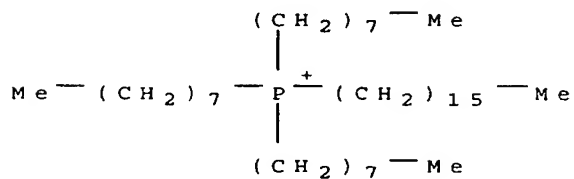
RN 436799-15-4 CAPLUS

CN Phosphonium, hexadecyltrioctyl-, (OC-6-11)-hexafluoroantimonate(1-)  
(9CI) (CA INDEX NAME)

CM 1

CRN 125652-20-2

CMF C40 H84 P

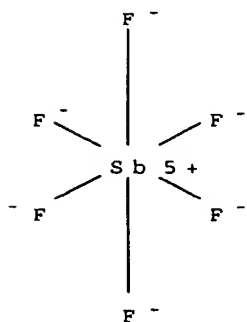


CM 2

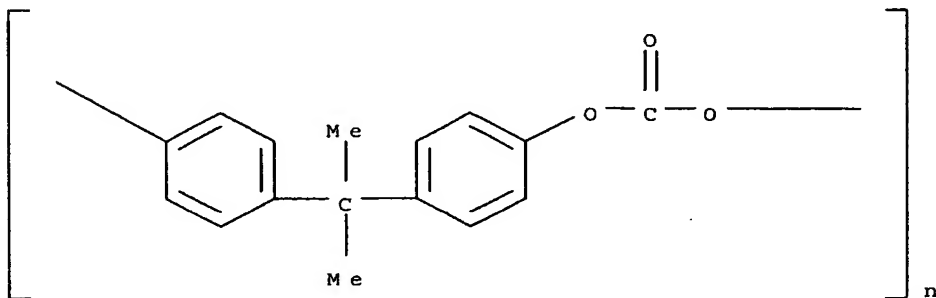
CRN 17111-95-4

CMF F6 Sb

CCI CCS



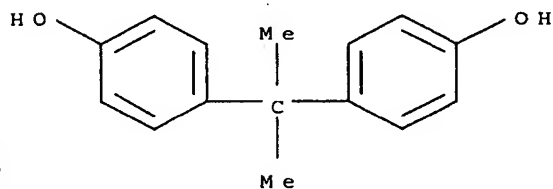
IT \*\*\*24936-68-3\*\*\* , Calibre 200-10, properties \*\*\*25971-63-5\*\*\* ,  
 Bisphenol A-phosgene copolymer  
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical  
 or engineered material use); USES (Uses)  
 (antistatic agents for polycarbonate compns. with good  
 transparency and impact resistance)  
 RN 24936-68-3 CAPLUS  
 CN Poly[oxycarbonyloxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene]  
 (9CI) (CA INDEX NAME)



RN 25971-63-5 CAPLUS  
 CN Carbonic dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

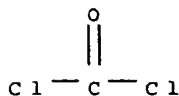
CM 1

CRN 80-05-7  
 CMF C15 H16 O2



CM 2

CRN 75-44-5  
 CMF C C12 O



? Display of structures from JP2002173592 complete

Switched back to HCAPLUS

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